

(12) UK Patent Application (19) GB (11) 2 288 914 (13) A

(43) Date of A Publication 01.11.1995

(21) Application No 9508376.2

(22) Date of Filing 25.04.1995

(30) Priority Data

(31) 9408262
9424047

(32) 26.04.1994
29.11.1994

(33) GB

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(51) INT CL⁶
H01Q 9/00

(52) UK CL (Edition N)
H1Q QDX
U1S S2139 S2204 S2212

(56) Documents Cited
GB 2215524 A GB 2151082 A

(58) Field of Search
UK CL (Edition N) H1Q QDH QDU QDW QDX
INT CL⁵ H01Q 9/00 9/02 9/04 9/28
Online : WPI

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(54) Radio antenna

(57) A radio antenna comprises a three wire transmission line (1) and a reactive terminating circuit (2), which may comprise an Inductor (3) and capacitor (4). The length of the transmission line can be chosen to suit the site. The antenna will radiate with a length as short as 6% of the wave. Phasing unit (5) is used to separate the power into two equal parts and connect each part onto the two active conductors, one path from the split point (6) going via the variable delay line (7) and the other path taking the other part-power via a phase advance circuit which is the capacitor (8). The phase control components are adjustable so that any chosen length of antenna can be operated at a wide range of frequencies. The antenna may alternatively take the form of a balanced radiator with a centre feed or a two wire loop.

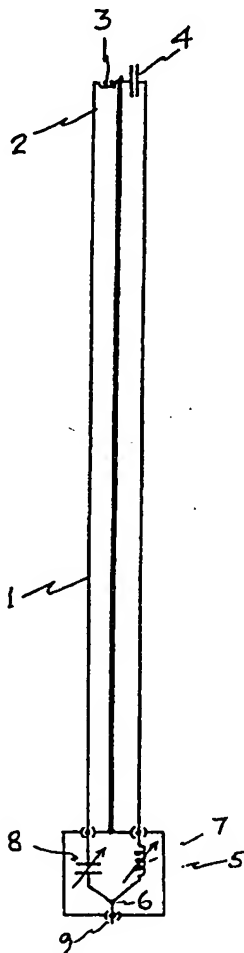


FIGURE 1

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